

Patent Application  
Attorney Docket No. *PC11861A*

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By

*Janice Denison*  
(Signature of person mailing)  
Janice Denison

(Typed or printed name of person)

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TC 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Frank Lombardo, et al. :

APPLICATION NO.: 10/081,784 : Examiner: To be assigned

FILING DATE: 02/21/2002 : Group Art Unit: 2857

TITLE: TOOL FOR LIPOPHILICITY :  
DETERMINATION IN DRUG DISCOVERY  
BASIC AND NEUTRAL COMPOUNDS

Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ and § 1.98

Pursuant to 37 CFR § 1.97 Applicants herein make available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the Applicants, copies of which are enclosed. Applicants cite a total of 68 references, four of which are non-English language documents.

Examiner is requested to consider carefully the complete text of the 64 English language references in connection with the examination of the above-identified Application in accord with 37 C.F.R. § 1.104(a).

With respect to the four non-English language documents, since Applicants do not have in their possession, custody or control a written English translation, Applicants have herein provided in accordance with MPEP §609 III A(2) and (3) a concise explanation of the non-English document's relevance, as it is presently understood by the Applicants.

(1) Büchi, V., et al., *Zusammenhänge zwischen der chemischen Konstitution, den physikalisch-chemischen Eigenschaften, der chemischen reaktivität und der lokalanästhetischen Wirksamkeit einiger Procain-Isostere*, Arzneim.-Forsch., Vol. 22: 1071-

1084, 1972. Page 1080 Table 3.4 of the reference cites the “Verteilungsloeffizienten” or “partition coefficient” of compound Procainamide. Applicants utilized this data to calculate the average  $\log D_{\text{oct}}$  of said compound, as disclosed in Table 1 page 12 of the Application as originally filed.

(2) Graf, E., et al., *pK- und V<sub>k</sub>-Messungen an Benzodiazepinen*, Pharm. Uns. Zeit., Vol. 6: 171-178, 1977. Page 178, lines 4-5 of the reference cites the “Verteilungsloeffizienten” or “partition coefficient” of the compound Lormetazepam. Applicants utilized this data to calculate the average  $\log D_{\text{oct}}$  of said compound, as disclosed in Table 1 page 11 of the Application as originally filed.

(3) Mohler, V., et al., *On Chemistry and synthesis of 3,7-dimethyl-1-(5-oxo-hexyl)-xanthine*, Arzneim.-Forsch., Vol. 21: 1159-1160, 1971. Page 1159 of the reference cites the “Verteilungsloeffizienten” or “partition coefficient” of “BL 191” or the compound Pentoxifylline. Applicants utilized this data to calculate the average  $\log D_{\text{oct}}$  of said compound, as disclosed in Table 1 page 11 of the Application as originally filed.

(4) Schutz, V., et al., *Screening, detection and biotransformation of Lormetazepam, a new hypnotic agent from the 1,4-benzodiazepine series*, Arzneim.-Forsch., Vol. 32: 177-183, 1977. Table 5 on page 178 of reference cites the “Verteilungsloeffizienten” or “partition coefficient” of the compound Lorazepam. Applicants utilized this data to calculate the average  $\log D_{\text{oct}}$  of said compound, as disclosed in Table 1 page 11 of the Application as originally filed.

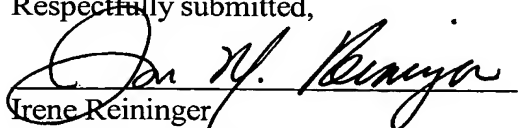
Examiner is requested to consider the above text taken from the non-English references in connection with the examination of the above-identified Application in accord with 37 C.F.R. § 1.104(a).

It is believed the Examiner will concur with Applicants’ belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the “References Cited” portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

Date: September 30, 2003

Respectfully submitted,  
  
Irene Reininger  
Attorney for Applicants  
Reg. No. 48,439

Pfizer Inc.  
Patent Department, MS 8260-1611  
Eastern Point Road  
Groton, Connecticut 06340  
(860) 715-5756

Date Mailed: 09/30/2003 Express Mail No.

Application No. 10/081,784 Docket No. PC11861A By JDM

Application of Frank Lombardo, et al.

Entitled TOOL FOR LIPOPHILICITY DETERMINATION IN DRUG DISCOVERY BASIC  
AND NEUTRAL COMPOUNDS

The following, due in the U.S. Patent and Trademark Office, has been received there  
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INFORMATION DISCLOSURE CITATION <small>(Use separate sheets if necessary)</small>				ATTY. DOCKET NO. PC11861A				SERIAL NO. 10/081,784				
				APPLICANT Frank Lombardo, et al.								
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<b>U.S. PATENT DOCUMENTS</b>												
EXAMINER INITIAL				DOCUMENT NUMBER		DATE		NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>												
				DOCUMENT NUMBER		DATE		COUNTRY		CLASS	SUBCLASS	TRANSLATION
												YES NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>												
			Abraham, M., et al., <i>Hydrogen bonding XXXV. Relationship between high-performance liquid chromatography capacity factors and water-octanol partition coefficients</i> , <i>J. Chromatogr.</i> , Vol. 685: 203-211, 1994									
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EXAMINER			DATE CONSIDERED			<div style="font-size: 1.5em; font-weight: bold;">RECEIVED</div> <div style="font-size: 1.2em; font-weight: bold;">OCT 14 2003</div> <div style="font-size: 1.2em; font-weight: bold;">TC 1700</div>						

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>											
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EXAMINER			DATE CONSIDERED								
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.											

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